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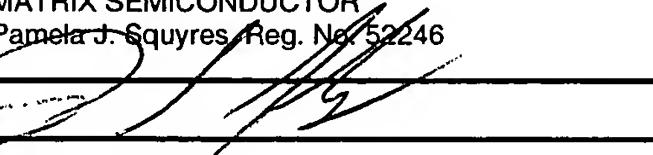
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|                        |                    |
|------------------------|--------------------|
| Application Number     | 10/728451          |
| Filing Date            | December 5, 2003   |
| First Named Inventor   | Roy E. Scheuerlein |
| Art Unit               | Unknown            |
| Examiner Name          | Unknown            |
| Attorney Docket Number | MA-112             |

**ENCLOSURES (Check all that apply)**

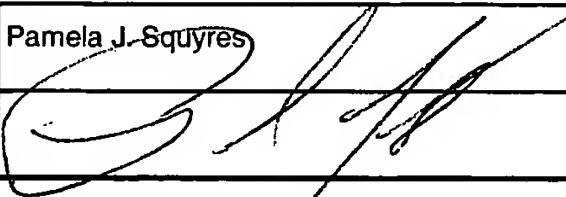
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| <input type="checkbox"/> Fee Transmittal Form                                | <input type="checkbox"/> Drawing(s)                                       | <input type="checkbox"/> After Allowance communication to Group                            |
| <input type="checkbox"/> Fee Attached  | <input type="checkbox"/> Licensing-related Papers                         | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences        |
| <input type="checkbox"/> Amendment/Reply                                     | <input type="checkbox"/> Petition   | <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final   | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Proprietary Information   |
| <input type="checkbox"/> Affidavits/declaration(s)                           | <input type="checkbox"/> Power of Attorney, Revocation                    | <input type="checkbox"/> Status Letter   |
| <input type="checkbox"/> Extension of Time Request                           | <input type="checkbox"/> Change of Correspondence Address                 | <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):            |
| <input type="checkbox"/> Express Abandonment Request                         | <input type="checkbox"/> Terminal Disclaimer                              | <input type="checkbox"/> Postcard;<br>1449A form (1 pg);<br>Reference (2pgs)               |
| <input checked="" type="checkbox"/> Information Disclosure Statement         | <input type="checkbox"/> Request for Refund                               |  |
| <input type="checkbox"/> Certified Copy of Priority Document(s)              | <input type="checkbox"/> CD, Number of CD(s) _____                        |  |
| <input type="checkbox"/> Response to Missing Parts/ Incomplete Application   |   |  |
| <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 |   |  |
| <b>Remarks</b>   |   |  |

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

|                         |  |
|-------------------------|--|
| Firm or Individual name | MATRIX SEMICONDUCTOR<br>Pamela J. Squyres Reg. No. 52246                             |
| Signature               |  |
| Date                    | March 3, 2004  |

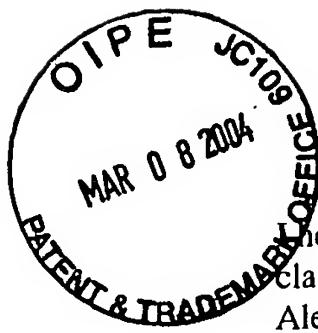
**CERTIFICATE OF TRANSMISSION/MAILING**

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|                       |  |               |
|-----------------------|--|---------------|
| Typed or printed name | Pamela J. Squyres  |               |
| Signature             |  | Date          |
|                       |  | March 3, 2004 |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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March 3 2004

Date of Deposit

Pamela J. Squyres

Name (printed)

Signature

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s): Roy E. Scheuerlein et al.

Application No.: 10/728451

Group Art Unit: Unknown

Filed: December 5, 2003

Examiner: Unassigned

Title: High Density Contact to Relaxed  
Geometry Layers

Attorney Docket No.: MA-112

**INFORMATION DISCLOSURE STATEMENT**

Assistant Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir or Madam,

Pursuant to the obligation under 37 CFR § 1.56 and in conformance with 37 CFR §§ 1.97-1.99, Applicants hereby submit attached form PTO-1449A/PTO listing reference A1-A7 for consideration by the Examiner. A copy of the A7 non-patent reference is enclosed herewith. Applicants request that the Examiner review the entire disclosure of these documents and make them of record.

The filing of this Information Disclosure Statement does not constitute an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 CFR §1.56(b). Further Applicants reserve the right to contest that any of the information submitted herewith is prior art against the present application.

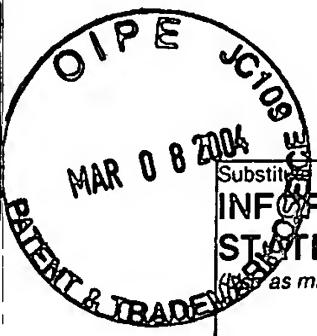
Dated: March 3, 2004

Respectfully submitted,



Pamela J. Squyres  
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Substitute for form 1449A/PTO  
**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
(use as many sheets as necessary)

*Complete if Known*

|                             |                  |
|-----------------------------|------------------|
| <b>Application Number</b>   | 10/728451        |
| <b>Filing Date</b>          | December 5, 2003 |
| <b>First Named Inventor</b> | Scheuerlein, Roy |
| <b>Group Art Unit</b>       | Unknown          |
| <b>Examiner Name</b>        | Unknown          |

Sheet 1 of 1

Attorney Docket No: MA-112

### US PATENT DOCUMENTS

| Examiner Initial * | Cite No         | USP Document Number | Publication Date | Name of Patentee or Applicant of cited Document | Class | Subclass | Filing Date If Appropriate |
|--------------------|-----------------|---------------------|------------------|---|-------|----------|----------------------------|
| A1                 | 10/335078       |                     |                  | Scheuerlein et al.                              |       |          | 12/31/2002                 |
| A2                 | 10/611246       |                     |                  | Cleeves   |       |          | 06/30/2003                 |
| A3                 | 5835396         | 11/10/1998          |                  | Zhang   |       |          |                            |
| A4                 | 6034882         | 03/07/2000          |                  | Johnson et al.                                  |       |          |                            |
| A5                 | 6185121         | 02/06/2001          |                  | O'Neill   |       |          |                            |
| A6                 | US20020079553A1 | 06/27/2002          |                  | Cleeves   |       |          |                            |

### FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No | Foreign Document No | Publication Date | Name of Patentee or Applicant of cited Document | Class | Subclass | T <sup>2</sup> |
|--------------------|---------|---------------------|------------------|---|-------|----------|----------------|
|                    |         |                     |                  |   |       |          |                |

### OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.  | T <sup>2</sup> |
|--------------------|---------|--|----------------|
|                    | A7      | SCHEUERLEIN, ROY.E. , et al. , "A 10ns Read and Write Non-Volatile Memory Array Using a Magnetic Tunnel Junction and FET Switch in each Cell", <u>2000 IEEE International Solid-State Circuits Conference: ISSCC 2000, Feb 8, 2000: Emerging Memory and Device Technologies/Paper TA 7.2, (2/8/2000),128-129</u> |                |

EXAMINER

DATE CONSIDERED

Substitute Disclosure Statement Form (PTO-1449)

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached